

1 (June 26, 2000)

2 **Random Board Finish**

3 The 3/4 inch random board finish for concrete surfaces specified in the
4 Plans to receive such a finish shall be achieved with reusable wooden
5 forms conforming to Section 6-02.3(17)J and the texture pattern shown in
6 the Plans. ABS, plastic, or elastomeric form liners shall not be used.
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8 The texture pattern shall be accomplished with 3/4 inch thick battens in
9 varying widths applied to the surface of the forms. The edge of all battens
10 shall be sloped 15 degrees to facilitate form removal.
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12 The Contractor shall submit a concrete panel test section, with the 3/4 inch
13 random board texture to be used, to the Engineer for approval. The test
14 section shall be constructed using the forms and materials intended to
15 construct the permanent structures. The test section shall be composed of
16 two ten foot by ten foot form sections which shall be assembled to make a
17 ten foot by 20 foot concrete surface section, and shall include the wall top
18 treatment, and one horizontal joint treatment. The Contractor shall not form
19 any concrete elements specified to receive 3/4 inch random board finish
20 until receiving the Engineer's approval of the test section.
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22 All cracks, holes, slits, gaps, and apertures in forms shall be plugged and
23 caulked with molding plaster to remain completely watertight and withstand
24 the pressures of concrete placement. Joints between the form units shall
25 be sealed with silicone or latex caulking compound. Butt joints may be
26 sealed with non-absorptive sponge tape. Construction joints and expansion
27 joints shall be incorporated into the pattern of the face treatment.
28

29 Forms and form ties shall be designed to permit removal without damaging
30 the finish. Prying against the face of the concrete will not be allowed. After
31 removing the forms, the Contractor shall treat the joint areas by patching or
32 light sandblasting as required by the Engineer to ensure that the joints are
33 not visible.
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35 Storage of formwork and form materials shall be in a manner to prevent
36 damage or distortion. Any damage to formwork during placing, removal, or
37 storage shall be repaired by the Contractor as no additional expense to the
38 Contracting Agency.
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40 Form liners shall be cleaned, reconditioned, and repaired before each use.
41 Form liners with repairs, patches, or defects which, in the opinion of the
42 Engineer, would result in adverse effects to the concrete finish shall not be
43 used.
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45 Care shall be taken to ensure uniformity of color throughout the textured
46 surface. A change in form release agent will not be allowed.
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48 All surfaces with the 3/4 inch random board finish shall also receive a Class
49 2 surface finish. Form ties shall be a type that leaves a clean hole when
50 removed. All spalls and form tie holes shall be filled as specified for a
51 Class 2 surface finish.